

**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

## Total Maximum Daily Load Information Sheet

### Slater Branch

Water Body ID: 3754

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#### Water Body Segment at a Glance:

**County:** Jasper  
**Nearby City:** Neck City  
**Length:** 3.7 miles  
**Pollutants:** *Escherichia coli* (*E. coli*)  
**Source:** Nonpoint sources



State Map Showing Location of Watershed

#### Schedule for TMDL development:

TMDL development schedules are subject to change.

The most current schedule for TMDL development is available on the department's website at [dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm](http://dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm)

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### Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. The Slater Branch is impaired due to exceedances of state water quality criteria that protect the whole body contact recreation designated use.

#### Designated uses of Slater Branch\*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-B)
- Secondary Contact Recreation (SCR)
- Human Health Protection (HHP)
- Irrigation (IRR)
- Livestock and Wildlife Protection (LWP)

\*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

#### Designated uses that are impaired

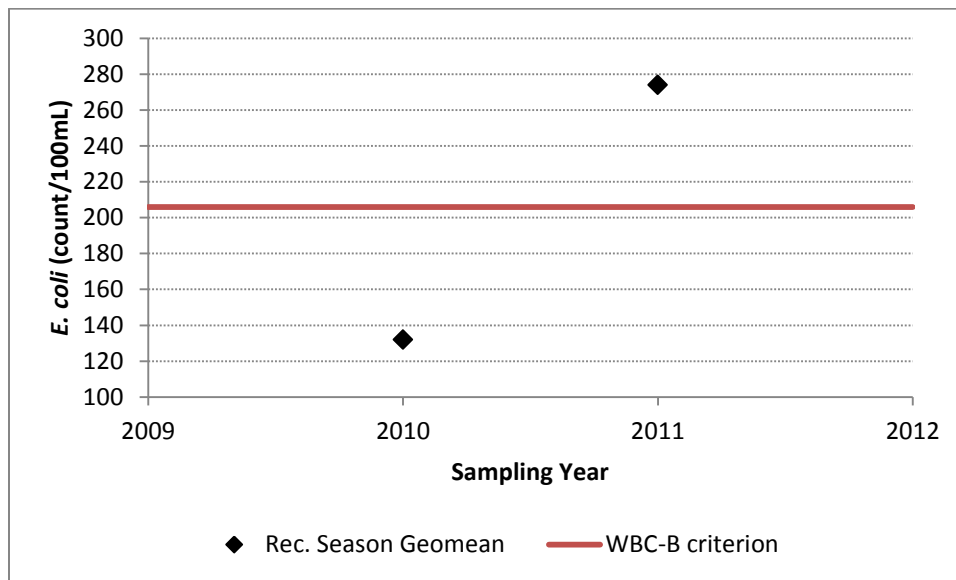
- Whole Body Contact Recreation Category B (WBC-B)

### Criteria that apply

- Numeric bacteria criteria for the protection of recreational uses is found in 10 CSR 20-7.031(5)(C) and Table A. For category B waters, *E. coli* counts, measured as a geometric mean, shall not exceed 206 counts/100 mL of water “during the recreational season.” The state’s recreational season is defined in this section of the rule as being from April 1 to October 31.

### Assessment and water quality data

A stream is judged to be impaired for bacteria if the recreational season geometric mean is exceeded in any of the last three years for which adequate data (5 samples) is available. For Slater Branch, adequate data are available for 2010 and 2011. The whole body contact category B criterion was exceeded in 2011.



### TMDL for Slater Branch

The Slater Branch TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Slater Branch TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

### For more information call or write:

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Program Home Page: [dnr.mo.gov/env/wpp/index.html](http://dnr.mo.gov/env/wpp/index.html)

Map of the Slater Branch Watershed

